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Material Safety Data Sheet Cyberpoxy 5000 Resin and Hardener

Revision Date: 01/02/09

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1. Chemical Product and Company Identification:

Product Name: Cyberpoxy 5000 Resin
Product Type: Epoxy Resin

2. Composition, Information on Ingredients:

<u>Hazardous component</u>	<u>CAS Number</u>	<u>%</u>
Bisphenol A Diglycidyl Ether Resin	25068386	20-50

There are no exposure limits associated with this chemical.

3. Hazards Identification:

Toxicity:	Moderate skin and Eye Irritant.
Primary Routes of Entry:	Eye, skin contact.
Signs and symptoms of Exposure:	Contact at elevated temperatures can cause thermal burns which may result in permanent damage to skin and eyes.
Existing conditions aggravated by exposure:	Preexisting eye and skin disorders.

4. First Aid Measures:

Ingestion:	Do not induce vomiting. Obtain medical attention.
Inhalation:	Remove person to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.
Skin Contact:	Remove contaminated clothing. Flush skin with water for 15 minutes. Wash affected area with soap and water.
Eye Contact:	Flush with warm water for 20 minutes while gently holding the eyelids open. Obtain immediate medical attention.

5. Fire Fighting Measures:

Flash Point	>400°F
Extinguishing Media:	Foam, Dry Chemical, or Carbon Dioxide

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Unusual Fire or Explosion Hazards: Heating above 300°F in the presence of air
May cause slow oxidative decomposition and
Above 500°F may cause polymerization.
Personnel in the vicinity and downwind should
be evacuated.

Special Firefighting Procedures: Material will not burn unless preheated. Wear
self-contained breathing apparatus and
protective clothing. Cool fire exposed
containers with water.

Hazardous Products Formed by Fire
Or Thermal Decomposition: Emits fumes of chloride, carbon monoxide, and
other fumes and vapors varying in composition
and toxicity.

6. Accidental Release Measures:

Steps to be taken in case of
spill or leak: Avoid personal contact. Soak up with inert
absorbent such as clay or sand. Store in a
partly filled, closed container until disposal.
Flush area with water to remove trace residue.
Prevent spill from entering drainage/ sewer
systems.

7. Handling and Storage:

Safe storage: Store in a cool dry area away from high
temperatures and flames.

Handling: Avoid contact with skin and eyes.

8. Protective Equipment:

Eye Protection: Safety glasses or goggles with side shields.

Skin: Rubber, polyethylene, or neoprene gloves.

Ventilation: Local exhaust preferred although good general
mechanical ventilation is adequate except for
confined areas.

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Respiratory Protection: If used in a confined area use NIOSH approved respirator with organic vapor cartridges.

9. Physical and Chemical Properties:

Appearance: Clear Viscous Liquid
Odor: Mild
Boiling Point: Greater than 500°F
Vapor Pressure: Less than 0.03mmHg @171°F
Vapor Density: >1 (air = 1)
Evaporation Rate: Not Applicable
Specific Gravity: 1.17
Solubility in Water: Negligible

10. Stability and Reactivity:

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong Lewis or mineral acids and bases, strong oxidizing agents.

11. Toxicological Information:

Oral LD50(rat) 11.4 g/kg
Dermal LD50(rabbit) >20 ml/kg
Inhalation LC50, 4 hours(rat) No deaths in saturated air

12. Ecological Information: No Data

13: Disposal Considerations:

Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations. Not a RCRA Hazardous waste.

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14. Transportation Information:

Domestic Ground Transport

Proper Shipping Name: Non-regulated

Hazard Class or Division: N/A

Identification Number: N/A

Marine Pollutant: No

15. Regulatory Information:

TSCA : All ingredients on the United States TSCA inventory.
Canadian Regulations: WHMIS Hazard Class D2B
All components are on the DSL

16: Other Information:

Hazard	NFPA Hazard Code®	HMIS Hazard Code®
Health	2	2
Fire	1	1
Reactivity	1	1
Specific Hazard	None	Personal Protection See Section 8

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HMIS is a registered trademark of the National Paint and Coatings Association.

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Cyberpoxy 5000 Resin and Hardener

Revision Date: 01/26/07

1. Chemical Product and Company Identification:

Product Name: Cyberpoxy 5000 Hardener
Product Type: Epoxy Hardener

2. Composition, Information on Ingredients:

<u>Hazardous component</u>	<u>CAS Number</u>	<u>%</u>
Polyamide-Polymercaptan Epoxy Hardener	Trade Secret	90-100

This chemical has no documented exposure limits

3. Hazards Identification:

Toxicity:	Eye, skin, and respiratory irritant.
Primary Routes of Entry:	Eye, skin contact. Inhalation
Symptoms of acute over-exposure:	Prolonged contact may cause dermatitis with sensitive individuals. Can cause severe irritation with possible eye damage or blindness. Sensitization and delayed lung effects.
Existing conditions aggravated by exposure:	May aggravate existing skin, eye and lung conditions.

4. First Aid Measures:

Ingestion:	Do not induce vomiting. Administer 3-4 glasses of milk or water. Obtain immediate medical attention.
Inhalation:	Remove to fresh air. Administer oxygen if breathing is difficult. Get Medical attention if symptoms persist.
Skin Contact:	Remove contaminated clothing. Flush affected area with water for 15 minutes. Wash with soap and Water. Call physician if irritation develops.
Eye Contact:	Flush with warm water for 20 minutes. Obtain immediate medical attention.

5. Fire Fighting Measures:

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Flash Point >200°F
Extinguishing Media: Foam, Dry Chemical, Water or Carbon Dioxide

Unusual Fire or Explosion Hazards: Personnel in vicinity and downwind should be evacuated.

Special Firefighting Procedures: Wear full bunker gear, self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.

Hazardous Products Formed by Fire Or Thermal Decomposition: Oxides of carbon, sulfur, and nitrogen; ammonia and other organic substances may be formed during combustion.

11. Accidental Release Measures:

Steps to be taken in case of spill or leak: Avoid personal contact. Soak up with inert absorbent. Store in a partly filled, closed container until disposal. Flush area with water to remove trace residue. Prevent spill from entering drainage/ sewer systems.

7. Handling and Storage:

Safe storage: Store below 100°F. Store in a cool, dry area away from high temperatures and flames.

Handling: Avoid contact with skin, eyes and clothing.

8. Protective Equipment:

Eye Protection: Safety glasses or goggles with side shields.

Skin: Chemical-resistant rubber gloves.

Ventilation: Local exhaust preferred although good general mechanical ventilation is adequate except for confined areas.

Respiratory Protection: None needed with normal use with proper ventilation. In areas of poor ventilation use NIOSH approved organic vapor cartridges for uncured resin.

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9. Physical and Chemical Properties:

Appearance:	Clear to slight yellow viscous liquid
Odor:	Mercaptan odor
Boiling Point:	Not determined
Vapor Pressure:	<<1mmHg at 70°F
Vapor Density:	Not determined
Evaporation Rate:	Not determined
Specific Gravity:	1.13
Solubility in Water:	Negligible
VOC	0 g/L
pH(5% solution in water)	9.5

12. Stability and Reactivity:

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility:	Strong oxidizing agents and amines.

11. Toxicological Information: See Section 3

12. Ecological Information: No Data

13: Disposal Considerations:

Disposal Procedures: Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations. Not a RCRA Hazardous waste.

14. Transportation Information:

Domestic Ground Transport
Proper Shipping Name: Non-regulated
Hazard Class or Division: N/A

Identification Number: N/A
Marine Pollutant: No

15. Regulatory Information:

CA Proposition 65: None

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TSCA: All ingredients are listed or are exempt from listing.

SARA 312: Immediate health hazard; delayed health hazard

Canadian Regulations: WHMIS Hazard Class D2B

16: Other Information:

Hazard	NFPA Hazard Code®	HMIS Hazard Code®
Health	3	3
Fire	1	1
Reactivity	1	1
Specific Hazard	None	Personal Protection See Section 8

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